

INTERNATIONAL SEARCH REPORT

Inter d Application No
PCT/US2004/038438

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08F8/42 C08F8/40 C09D11/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C09D C07F C08F C08G C09J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | PATENT ABSTRACTS OF JAPAN vol. 1998, no. 08, 30 June 1998 (1998-06-30) -& JP 10 067959 A (SAKATA CORP), 10 March 1998 (1998-03-10) abstract | 1-62 |
| A | US 4 705 568 A (KAY ET AL) 10 November 1987 (1987-11-10) cited in the application claims; examples column 1, line 45 - column 2, line 2 | 1-62 |
| A | US 4 659 848 A (KAY ET AL) 21 April 1987 (1987-04-21) cited in the application claims; examples column 1, lines 44-58 | 1-62 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

31 March 2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | EP 0 147 642 A (INTERNATIONAL BUSINESS MACHINES CORPORATION) 10 July 1985 (1985-07-10) claims 1,3,6-9,11-13; examples 2,4 page 17, last paragraph - page 18, last paragraph page 20, paragraph 1 - page 25, paragraph 2 | 1-6, 11, 12 |
| A,P | ----- WO 2004/053003 A (JOHNSON MATTHEY PLC; TULLOCH, ARRAN, ALEXANDER, DICKSON; DUNCAN, ROBER) 24 June 2004 (2004-06-24) claims; examples page 1, lines 3-35 page 4, line 28 - page 5, line 39 ----- | 1-62 |

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PCT/US2004/038438

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| JP 10067959 | A | 10-03-1998 | JP 3593216 B2 | 24-11-2004 |
| US 4705568 | A | 10-11-1987 | AU 572667 B2 | 12-05-1988 |
| | | | AU 4369685 A | 23-01-1986 |
| | | | BE 902947 A1 | 20-01-1986 |
| | | | CA 1237213 A1 | 24-05-1988 |
| | | | DE 3525910 A1 | 23-01-1986 |
| | | | ES 8706788 A1 | 16-09-1987 |
| | | | FR 2567901 A1 | 24-01-1986 |
| | | | GB 2161817 A ,B | 22-01-1986 |
| | | | IT 1182774 B | 05-10-1987 |
| | | | JP 1875805 C | 07-10-1994 |
| | | | JP 6000901 B | 05-01-1994 |
| | | | JP 61037851 A | 22-02-1986 |
| | | | NL 8501918 A ,B, | 17-02-1986 |
| | | | ZA 8504990 A | 26-02-1986 |
| US 4659848 | A | 21-04-1987 | AU 576248 B2 | 18-08-1988 |
| | | | AU 4369585 A | 23-01-1986 |
| | | | BE 902946 A1 | 20-01-1986 |
| | | | CA 1241014 A1 | 23-08-1988 |
| | | | DE 3525925 A1 | 30-01-1986 |
| | | | ES 8609347 A1 | 16-12-1986 |
| | | | FR 2567889 A1 | 24-01-1986 |
| | | | GB 2161811 A ,B | 22-01-1986 |
| | | | IT 1182773 B | 05-10-1987 |
| | | | JP 1756429 C | 23-04-1993 |
| | | | JP 4050317 B | 13-08-1992 |
| | | | JP 61044893 A | 04-03-1986 |
| | | | NL 8501917 A ,B, | 17-02-1986 |
| | | | ZA 8504991 A | 26-02-1986 |
| EP 0147642 | A | 10-07-1985 | CA 1221833 A1 | 19-05-1987 |
| | | | DE 3476530 D1 | 09-03-1989 |
| | | | EP 0147642 A2 | 10-07-1985 |
| | | | JP 60147389 A | 03-08-1985 |
| WO 2004053003 | A | 24-06-2004 | WO 2004053003 A1 | 24-06-2004 |